



The Fourmile Canyon wildfire west of Boulder, Colorado, burned for 10 days in September 2010. Photo: Dan Lack, NOAA/CIRES

November 2015

Moon phases are Universal Time (UT)

NEW MOON

FIRST QUARTER

FULL MOON

LAST QUARTER

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY																																																																						
1 Daylight Saving Time ends	2	3 Election Day	4	5	6	7																																																																						
8	9	10	11 Veterans Day	12	13	14																																																																						
15	16	17	18	19	20	21																																																																						
22	23	24	25	26 Thanksgiving Day	27	28																																																																						
29 Atlantic hurricane season ends	30				<div>OCTOBER</div> <table><tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr><tr><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr><tr><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td></tr><tr><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td></tr><tr><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td></tr></table>	S	M	T	W	T	F	S	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	<div>DECEMBER</div> <table><tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr><tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr><tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr><tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr><tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td></td><td></td></tr></table>	S	M	T	W	T	F	S	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
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Detecting fire from space

Fires produce a heat signature detectable by satellites such as the GOES-R series and JPSS even when the fires represent a small fraction of a pixel. Compared to the past GOES and POES imagers, the GOES-R Advanced Baseline Imager (ABI) and JPSS's Visible Infrared Imager Radiometer Suite (VIIRS) have the ability to detect such heat signatures with improved temperature, temporal and spatial resolution. In addition to monitoring the fires themselves, data from these satellites can help first responders and air quality experts prepare the public for the health hazards from the smoke.

Example of the GOES-R Fire/Hot Spot Characterization product using simulated GOES-R Advanced Baseline Imager data over Southern California from October 23, 2007.



Credit: NOAA/NESDIS/STAR